

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,715,499 B2  
APPLICATION NO. : 10/589530  
DATED : May 11, 2009  
INVENTOR(S) : Warner

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 20, line 16, please replace “signal comprising” with --signal, comprising--.

At column 20, line 27, please replace “claim 1” with --claim 1,--.

At column 20, line 30, please replace “claim 1” with --claim 1,--.

At column 21, line 33, please replace “means for constructing a reference signal comprising one or more basis functions and a training sequence, wherein the means for constructing the reference signal is configured to minimize a cost function comprising the one or more basis functions, the training sequence, and the received signal; and means for acquiring a desired frequency-shifted signal when the cost function indicates a predetermined degree of correlation between the reference signal and the received signal.” with --means for constructing a reference signal comprising one or more basis functions and a training sequence, wherein the means for constructing the reference signal is configured to minimize a cost function comprising the one or more basis functions, the training sequence, and the received signal; and means for acquiring a desired frequency-shifted signal when the cost function indicates a predetermined degree of correlation between the reference signal and the received signal.--.

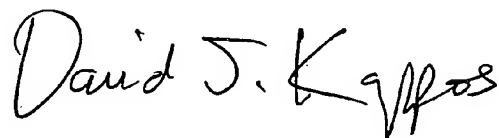
At column 21, line 51, please replace “Xw-CFV” with --Xw-CFv--.

At column 22, line 38, please replace “GV” with --Gv--.

At column 23, line 2, please replace “comprises constraint” with --comprises a restraint--.

Signed and Sealed this

Thirtieth Day of November, 2010

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large, prominent "D" and "K".

David J. Kappos  
*Director of the United States Patent and Trademark Office*